

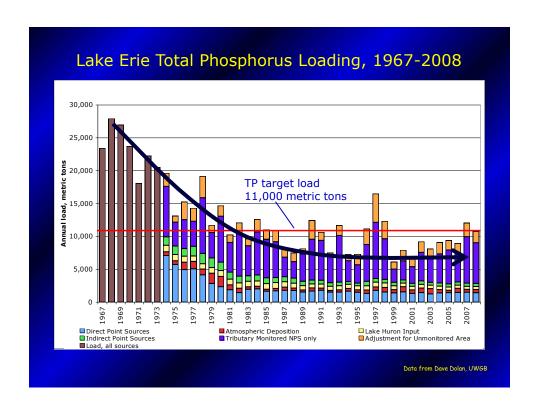


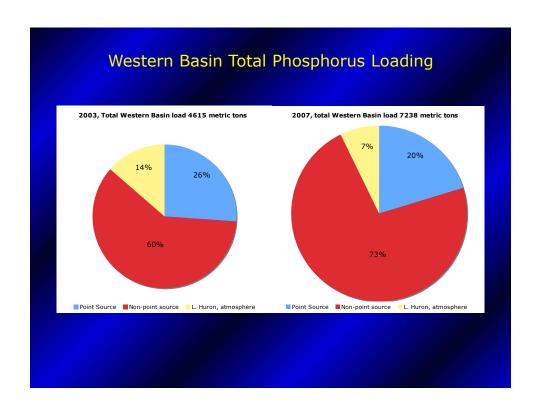
Some basic things we know

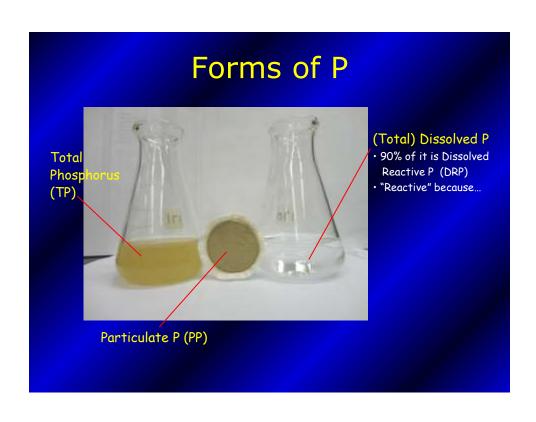
- Excessive algae reflect excess nutrients
- When an essential nutrient (N, P) gets used up, algal growth stops
- HABs can be reduced or eliminated by controlling phosphorus (P)
- In the 1970s, most of the P came from sewage treatment plants
- At present, most of the P entering the Western Basin comes from the landscape non-point source origin

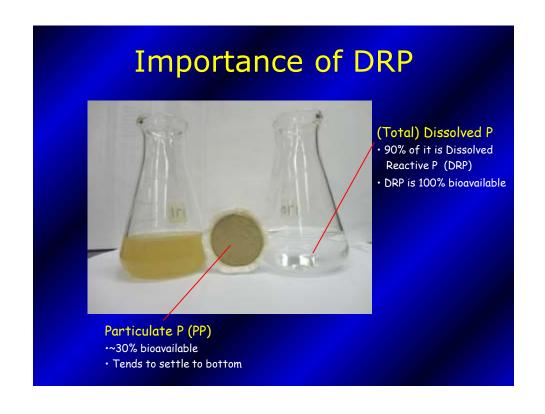
Remediation

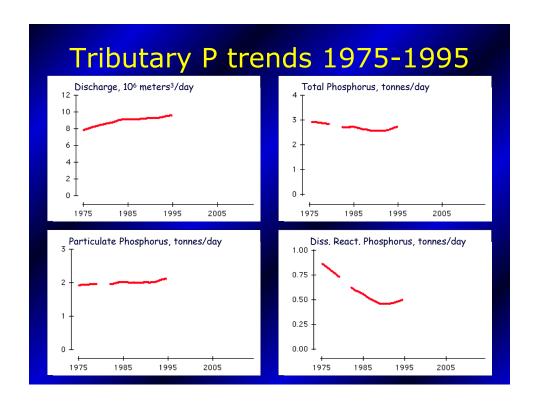
- Make phosphorus the limiting nutrient
- Reduce phosphorus inputs
 - o Detergent phosphorus ban
 - o Sewage Treatment Plant upgrades
 - o Nonpoint source management
 - Fertilizer and manure management
 - Erosion prevention
 - Conservation tillage
 - Buffer strips

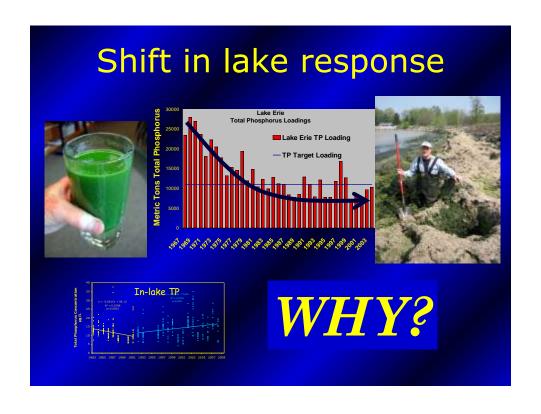


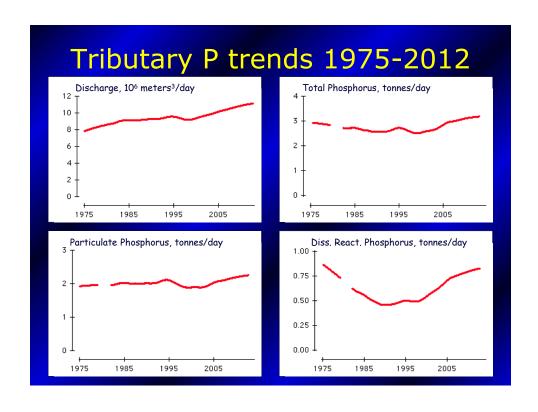


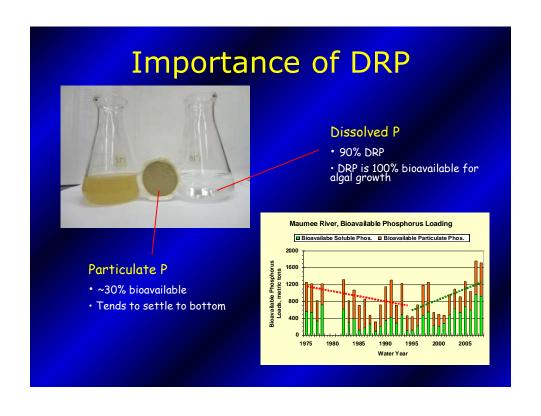


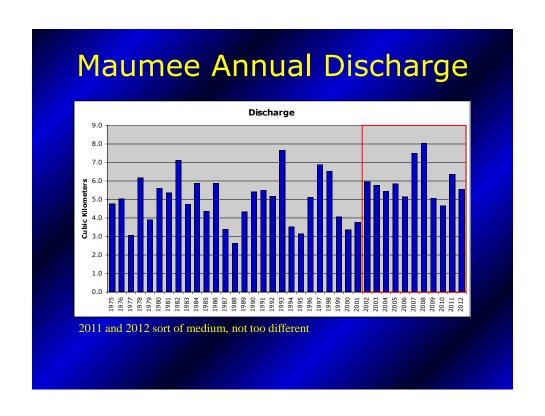


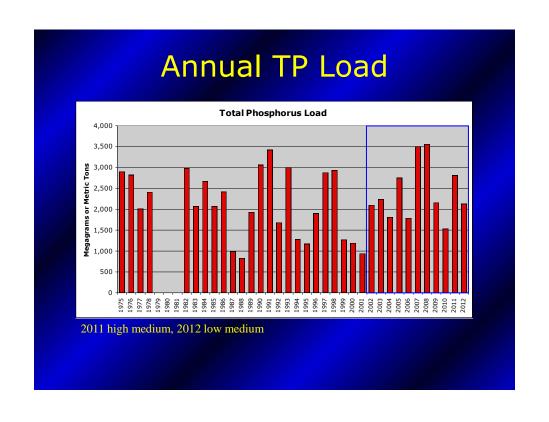


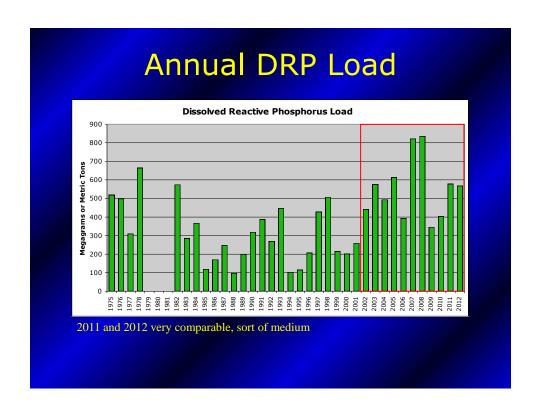






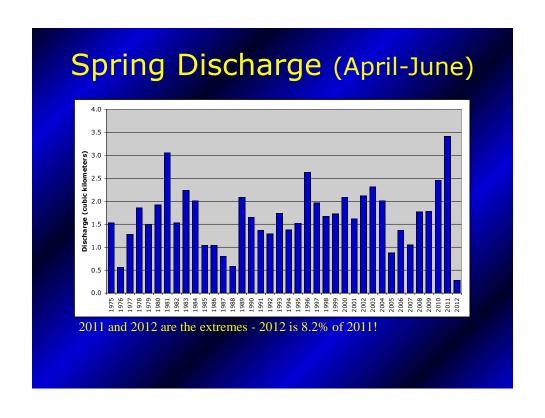


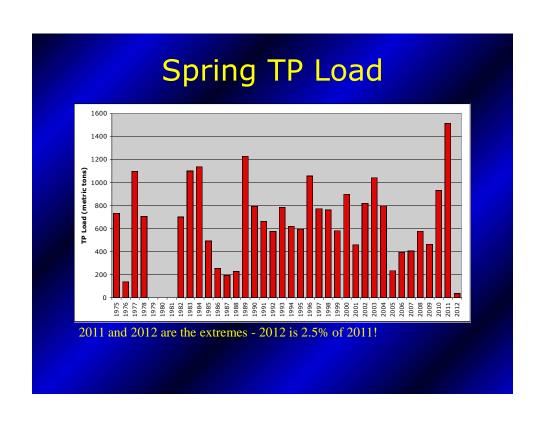


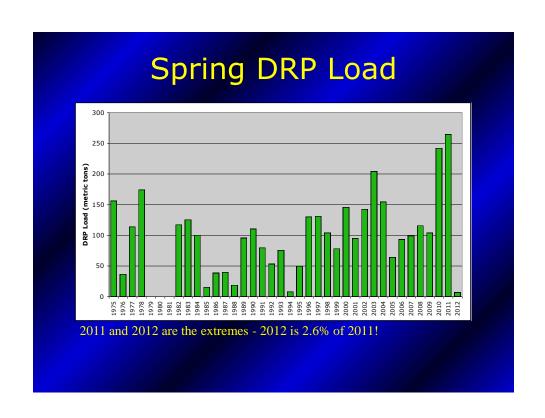


Seasonal Loading

- P loading drives algal growth
- · HABS occur in late summer
- Perhaps P loads in some seasons are more important than loads in others
- Several lines of research point to spring loading as most important







Prediction, anyone?!!!
Stay tuned for next talk....